

## *How can I help my child with his/her Numeracy or Mathematics home learning?*

Many parents worry that they will not be able to support their child at home because they have learned different methods when they were at school and do not want to confuse their child.

Children are not taught one specific way to work out a calculation or problem. We provide children with a variety of different strategies to work out the same problem or calculation including mental methods.

Children will be issued home learning on a weekly basis. Any mathematics or numeracy tasks will be related to something your child has learned that week or in previous weeks at school and therefore should not be new to your child.

A good way to help you child with their mathematics or numeracy home learning is to get them to explain what they have been learning and ask them to teach you the new methods they have learned. Children learn a great deal from teaching someone else how to do something as it challenges them to explain their thinking and strategies.

If your child is finding their home learning too difficult, please let the teacher know by writing a note in the 'share it' jotter. This learning can then be revisited if your child is struggling to apply the concepts.



## *How can I help my child with Numeracy & Mathematics at home?*

There are lots of ways you can help your child at home. Here are some simple but effective ideas:

In the early stages of primary school, see if your child can recognise numbers in their environment. E.g. road signs, doors, letters/notes, phone, television, remote control etc.



Counting objects around the home or on the way to and from school. Can you count the steps from the gate to the door?

As your child moves up through the school you can begin to challenge them by asking them to measure ingredients for recipes etc.

Children benefit from lots of reinforcement of time and duration. See if your child can find out what time a programme is on at on the TV guide. As they progress, can they change digital time into analogue time? Can they tell you how many hours/minutes it is until a given time?



As you carry out the weekly shop, can your child estimate the cost as you add items to the trolley? Can they work out how much you are saving when an item is on special offer? If your child did not go with you to the shops, give them the receipt but chop off/hide the total and see if they can work it out.



# Torphichen Primary School



## Numeracy and Mathematics

### *Information for Parents/Carers*



February 2017

## What does learning in Numeracy and Mathematics look like?

Numeracy and Mathematics is important in our everyday life, allowing us to make sense of the world around us and to manage our lives.

Here at Torphichen Primary School, we are committed to providing children with motivating and purposeful learning opportunities which demand active involvement and encourage pupils to take responsibility for their own learning within Numeracy and Mathematics.

- Children will experience a range of learning opportunities and a variety of different methods
- Children are given opportunities to learn and apply their skills in different ways across the curriculum.
- Children are challenged to think in different ways and are given an appropriate amount of thinking time
- Children are encouraged to demonstrate and explain their thinking to show deep understanding of different concepts
- Children will experience the use of enjoyable real life contexts for learning in mathematics and numeracy.
- Children may use concrete materials and resources to help them with their learning e.g. counters, cubes, number lines, hundred squares etc.
- ICT will be used in lessons to make learning more interactive and further motivate visual learners as well as those children who learn best by doing or playing.



## Throughout Numeracy and Mathematics lessons, children will be able to...

As the children learn and develop skills and strategies in numeracy and mathematics they will be able to:

- Develop, use and apply a variety of mathematical strategies in a variety of contexts
- Take responsibility for their learning
- Explore number and mathematical concepts with confidence
- Develop problem solving skills across learning
- Develop quick recall of basic facts
- Understand and use mathematical language
- Use technology to support and enhance learning
- Identify the best method to solve a mathematical problem or calculation

Using ICT to enhance learning and promote quick recall and speed up calculations. Children will have opportunities in class to access age and stage appropriate online games to enhance learning and challenge thinking, promoting speedy calculations and motivation in Mathematics.



## What will my child be learning?

The Numeracy and Mathematics experiences and outcomes are split into 3 different areas. Throughout their time at primary school they will experience learning in the following areas:

### Number, Money and Measure

- Estimation and rounding
- Number and number processes
- Multiples, factors and primes
- Powers and roots
- Fractions, decimal fractions and percentages
- Money
- Time
- Measurement
- Mathematics - its impact on the world, past, present and future
- Patterns and relationships
- Expressions and equations



### Shape Position and Movement

- Properties of 2D shapes and 3D objects
- Angle, symmetry and transformation



### Information Handling

- Data and analysis
- Ideas of chance and uncertainty

